

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

7027

LIBRARY

RECEIVED

★ APR 2 1931 ★

U.S. Department of Agriculture

A GUIDE To The Best HARDY PLANTS



SPRING 1931

28th Year

The Graettinger Nursery

E. S. GEORGE, Prop.

Graettinger

::

Iowa

To My Patrons and Friends

27 Years Of Service

This is my 27th. anniversary; more than a quarter of a century in the Nursery business here at Graettinger. During this time I have had a very satisfactory business for which I wish to thank my numerous customers and friends.

BUY AT HOME.—My customers find that it pays to buy their Nursery Stock near home. Come to the Nursery if possible and see the stock before buying. You can always get some information that will be of use to you in laying out your planting.

NO AGENTS, LESS PRICE.—Agent's commissions usually average about 40 per cent. This you save in buying of us as I have no agents. You usually get larger, stronger and fresher stock here as most of it is fresh dug at delivery time. In nearly every case my stock gives better results than stock shipped in from a distance.

SIZES.—Do not compare my large, bushy, well rooted stock with the small spindling stock usually offered by mail order houses that can be shipped by mail at a few cents per hundred plants. Weak, spindling plants are a mighty poor investment at any price.

VARIETIES.—It is important to plant right varieties. Agents as a rule are not Nurserymen and are not posted on varieties. Catalogues that cover a wide territory, probably several states, are of little value in selecting varieties for you do not know whether the plants offered are adapted to our conditions or to conditions in Missouri or some other place. We sell nearly all our stock within 40 miles of Graettinger and the varieties offered are those that have proven of real value under our conditions. Nearly all of them have been tried out on our own grounds. A good many varieties that do well in central Iowa are not a success here.

GUARANTEE.—All our Nursery stock is properly grown by the latest approved methods. All stock is properly packed and in growing condition when it leaves the Nursery. We aim to have all Nursery stock true to name and correctly labeled. In case it is not we will replace free or return the money paid. Further than this we can not be held liable. We have all our stock inspected every year by the State Nursery Inspector and nothing is allowed to leave the Nursery that does not meet with his approval. Certificate of Inspection showing freedom from disease accompanies each shipment.

TERMS.—Prices quoted are at the Nursery except on plants and small articles which are sent by parcel post free of charge. No charge for packing or delivery to depot. On account of selling all of our stock near home we do not require cash in advance. It is understood that you are to pay for it within 5 days after you receive it. You can see the stock before you pay for it. Any stock that dies the first season will be replaced at one-half catalogue price if reported to me in writing by October 1, 1931.

VISITORS ALWAYS WELCOME.

Norway Spruce For Windbreaks

For northern Iowa and southern Minnesota the very best Evergreen to plant for a windbreak is the Norway Spruce. This is the best known and the most widely planted of all the Evergreens. There is probably as many Norway Spruce planted as all other Evergreens combined. It is a native of Norway, Sweden and Russia and stands the winter here perfectly. It grows rapidly, making a thick heavy growth and holds its limbs close to the ground. The Norway Spruce does not seem to do well on very light gravelly soil (the Scotch Pine or Black Hills Spruce should be planted there) but on any land where corn does fairly well it should be right at home.

The Norway Spruce is the most rapid grower of all the Evergreens. It is very thrifty and vigorous and recovers rapidly from an injury. Color is deep green. Most of the really good Evergreen windbreaks in northern Iowa are of Norway Spruce. Put them on good soil, keep all stock away from them and keep them heavily mulched with straw or leaves and you will have a windbreak in a very short time.

Our guaranteed Norway Spruce have been several times transplanted and roots pruned, giving them an abundance of fibrous roots. We get better results right along with 3 to 5 ft. Spruce than with the smaller ones. You will find that if you plant the larger trees you will get a windbreak much quicker and get a far better stand than if you plant small trees.

We believe the proper plan for planting Norway Spruce in a Windbreak is to put in 2 to 4 rows planting the trees 8 to 10 ft. apart in the row and the rows 8 to 10 ft. apart. In a few years the limbs will grow together so there will be a perfect windbreak. For quick results there should be several rows of Poplars or Siberian Elms or other quick growing trees planted behind the Evergreens and at least 20 ft. away.

We believe our Evergreens are at least equal to any that can be grown and the short time required to get them from the Nursery to the Windbreak rows should insure success. Most of our customers who have planted Norway Spruce had excellent results. A few years ago we sold D. D. Johnson & Sons of Curlew, Iowa, 340 Norway Spruce 3 to 5 ft. The first two years they lost 3 trees. Part of them were set where a grove had been cut out. They kept them heavily mulched. We often sell smaller lots where there is no loss at all.

We believe our prices are as reasonable as good trees can be sold for. We prefer to have you drive to the Nursery for them when it is possible to do so. In this case they are not dug until you come for them.

Price List Of Norway Spruce

ALL MEASUREMENTS ARE ABOVE GROUND—All transplanted and Root Pruned three to four times.

SIZE—	Doz.	Per 50	Per 100
24 to 30 Inches	\$ 6.50	\$25.00	\$50.00
30 to 36 Inches	8.00	30.00	60.00
3 to 4 Feet	9.50	35.00	70.00
4 to 5 Feet	12.00	45.00	90.00

A Bargain In Light Evergreens

A nice lot of twice transplanted Norway Spruce, well rooted, healthy, vigorous trees. Do not confuse these with the spindly, poorly rooted seedlings that are often sent out. These can be lined out for a permanent windbreak.

SIZE—	50	100
12 to 18 Inches	\$ 6.00	\$12.00
18 to 21 Inches	9.00	18.00
21 to 24 Inches	12.50	25.00

Evergreens

There is nothing you can put on your farm that will add so much value and comfort for the money invested as one of our **GUARANTEED EVERGREEN WINDBREAKS**. Two or three or four rows of Evergreens properly placed will pay 100 per cent interest on their investment every winter in saving of feed alone. The comfort and cheerfulness they add to a farm in winter can be obtained in no other way.

All the Evergreens are packed immediately after digging to prevent any possible injury to the roots. They are guaranteed to reach the planter in good condition.

We are often asked about the best size to plant. We have found the best size is about 3 to 4 feet high above the ground. A little larger if there is already a good windbreak. Evergreens of this size that have been properly transplanted so that they have formed a good root system grow about as readily as maples or poplars. **IT'S THE ROOTS THAT COUNT.** Our ground is quite loose giving an opportunity to form a good root system. To get quick results, trees should be planted 8 to 12 feet apart.

We have probably the largest stock of Hardy Evergreens in northwest Iowa, comprising all the varieties that do well here. All Evergreens we sell are grown here at Graettinger. It pays to get them close to home. Large Evergreens grow best and are cheaper in the end.

BLACK HILLS SPRUCE

For Lawn, Cemetery, Park and Windbreak Planting

The Black Hills Spruce is one of our finest trees, its only rival being the Blue Spruce. On any good corn land it makes a magnificent tree. It also grows well on poor soil and if your soil is light and sandy plant the Black Hills Spruce. It also grows to perfection on heavy soil but grows a

little slower than the Norway Spruce so is not sold as largely for windbreaks. For dooryard, cemetery and park planting there is nothing but the Blue Spruce to compare with it. In color it ranges from a deep shiny green to light blue. It grows thicker and more compact than the Norway Spruce and holds its limbs tight to the ground.

Until lately the Black Hills Spruce has been scarce and high priced. We have a heavy stock of them, probably one of the largest stocks in Iowa, and are making low prices on them.

Fine specimens, all transplanted 3 to 5 times. Fine roots. All balled and burlapped with solid balls.

2 to 2½ feet.....	\$2.50 each
2½ to 3 feet.....	\$3.00 each
3 to 3½ feet.....	\$3.50 each
3½ to 4 feet.....	\$4.00 each
4 to 5 feet.....	\$5.00 each
5 to 6 feet.....	\$6.50 each
6 to 7 feet.....	\$8.00 each

For Windbreak planting we have a cheaper grade, all good trees, but not perfect in shape.



BLACK HILLS SPRUCE

LANDSCAPING

Home owners are realizing more every year the value of landscaping the home grounds. This applies to country homes as well as to those in the city. People who visit the Nursery often remark that they would like to fix up the yard but do not know just how to plan it.

These plans should be made right on the grounds by one who has had experience in the work. The appearance of the house (a fancy bungalow requires entirely different treatment from a plain two-story house,) the lay of the ground, the surroundings, the selection of varieties and a score of other things must be considered. Each plan requires individual treatment. And of course you do not want your yard just like your neighbor's yard.

OUR FREE SERVICE

I have recently taken a course in Landscape Architecture and to those who are planning on beautifying their grounds we offer our services free of charge. If you will write us we will call and help you with a suitable plan and make a list of the stock you should use. Of course we would like to sell the stock. We make our prices as low as the same stock can be bought for elsewhere. But whether you buy of us or not the service is free. These plantings are not expensive when the stock is bought at a reasonable price. Plant strong, healthy stock adapted to this locality and give good care. A proper plan and the right varieties will save you lots of trouble.

Evergreens For Landscape Planting

All Trees On This Page Dug With Ball And Burlapped At Prices Quoted

COLORADO BLUE SPRUCE. This is the name given to all trees of this variety regardless of the fact that the colors run from bright Blue to dark Green. A great many have ordered Colorado Blue Spruce and had the order filled with cheaper Green colors. We list them in separate colors. You know just what you will get.

COLORADO BLUE SPRUCE—Bright Blue Color. This is considered the queen of all Evergreens and is more in demand for landscape planting than any other Evergreen grown. It is perfectly hardy excepting in very wet soil. These are all symmetrical in shape and brightest blue. They are usually sold as "Kosters" and are equally as good. We have several hundred good blue specimens.

12 to 18 Inch.....	\$ 4.00	36 to 48 Inch.....	\$13.00
18 to 24 Inch.....	7.00	48 to 60 Inch.....	16.00
24 to 36 Inch.....	10.00	60 to 72 Inch.....	20.00

COLORADO BLUE SPRUCE—Green Color. This is the same variety as the Blue color. Nearly all these have a blue shade. Most of these get quite blue as they get older and all make fine yard trees. The prices are much lower than the Blue.

12 to 18 Inch.....	\$2.00	36 to 48 Inch.....	4.50
18 to 24 Inch.....	2.50	48 to 60 Inch.....	5.50
24 to 36 Inch.....	3.50	60 to 72 Inch.....	7.00

BLACK HILLS SPRUCE. The most valuable Evergreen that grows. Make wonderful specimens for a lawn, park, school ground or cemetery. (See Page 4.)

BLACK HILLS SPRUCE. Trimmed to ball shape. These grow in perfect ball shape and get just a little larger each year. Perfectly hardy and dependable. Deep green in color; foliage grows thick and dense. Fine for planting in front yard as they do not obstruct the view. Prices, 18 to 24 in. across, \$3.50; 24 to 30 in. across, \$4.50; 30 to 36 in. across, \$6.00.

PYRAMIDAL ARBOR VITAE. A densely branched variety forming a perfect column; holds its shape without trimming or pruning; hardy and will succeed anywhere. A very ornamental type. A splendid tree for home or cemetery planting. 18 to 24 in., \$2.25 each; 2 to 3 feet, \$3.50; 3 to 4 feet, \$5.00.

Evergreens For Landscape Planting

(CONTINUED FROM PAGE FIVE)

AMERICAN ARBOR VITAE OR WHITE CEDAR. A native of Minnesota and very hardy. One of our finest Evergreens. It is perfectly free from disease and does not injure apple trees like the Red Cedar. These make fine lawn trees when growing naturally or can be trimmed into any shape desired. Prices are for perfect trees, Balled and Burlapped. For hedges we have a cheaper grade.

Prices, 2 to 3 ft., \$1.50 each; 3 to 4 ft. \$2.00 each; 4 to 5 ft. \$3.00 each; 5 to 6 ft. \$4.00 each.

GLOBE ARBOR VITAE. We have three varieties of these that make a fine round tree without any trimming. Prices, 15 to 18 inches, \$2.00; 18 to 24 inches, \$3.00.

SIBERIAN ARBOR VITAE. A dwarf form of Arbor Vitae. Makes a large, round bush larger than a Globe Arbor Vitae. Grows thick and bushy with heavy foliage and is very hardy. Prices, 2 to 3 ft., \$3.00 each; 3 to 4 ft., \$4.00 each.

IRISH OR SWEDISH JUNIPER. A very attractive small tree with bright green, feathery foliage. Makes an upright, dense, shapely bush or tree and is very hardy. The best of the upright Junipers.

DOUGLAS FIR. This is the tree used in making the common fir lumber. A native of the west, where it grows to the height of 200 ft. Our seeds come from the Rocky Mountain region and the trees are perfectly hardy. Tree grows rapidly with a pointed top and is one of the best lawn trees. Prices, specimen trees, 3 to 4 ft., \$3.50 each; 4 to 5 ft. \$5.00 each; 5 to 6 ft. \$6.50 each.

MUGHO OR MOUNTAIN PINE. Used for lawn trees. Grows low and lushy. We have a few nice specimens but we recommend the Black Hills Spruce trimmed to ball shape in place of the pines. They are much more satisfactory.

WHITE PINE AND SCOTCH PINE. Used for windbreaks and lawn trees. We do not recommend them. The Spruces are much better.

CEMETERY TREES. For cemetery planting the Black Hills Spruce or Colorado Spruce should be used around the outside. For planting on the lots use Pyramidal Arbor Vitae.

CHRISTMAS TREES. We can furnish Christmas Trees in all sizes and many varieties up to 25 feet. Prices, for church trees, \$2.00 to \$5.00.

Senator Johnson Likes Our Trees

E. S. George,
Graettinger, Iowa.

My Dear Sir:

The trees arrived in Kimball December 3rd. They are looking fine.

Sincerely,

MAGNUS JOHNSON.

Kimball, Minnesota,
December 11, 1930.

Albert Lea, Minnesota,
May 15, 1930.

Dear Mr. George:

Trees arrived in fine shape. Thanks for the service and fine choice of specimens.

Yours very truly,

RUSSELL GOODVANGEN.

Apples

Apples are our most valuable fruit and great care should be taken to plant only varieties that are adapted to our climate. We list only the varieties that have proven valuable here. Planting of the southern varieties such as Jonathan, Grimes Golden or Ben Davis means disappointment and waste of time. For winter use plant heavily to McIntosh Red and Haralson. These are wonderfully successful through southern Minnesota. Plant 20x20 feet and cultivate well. Our large, thrifty 5 to 7 ft., first grade trees grow better and bear much sooner than small light trees and are cheaper in the end. The following varieties are about all that it pays to plant here:

Prices for the common varieties of apples and crabs, 5 to 7 ft. big stocky trees, each 75c; per dozen \$7.50; per 50, \$30.00.

YELLOW TRANSPARENT. Harvest apple. The best early variety. Fine eating apple. Early August.

DUCHESS. This well known variety is the standard early cooking apple. Perfectly hardy and bears well. August.

WEALTHY. By far the best of all the fall apples. Tree hardy and heavy annual bearer. Fall and early winter.

MINNEHAHA. An early winter apple from the Minnesota Fruit Breeding farm. Tree hardy and productive. Fruit red and good size.

DELICIOUS. Red in color, good size and of the highest quality. Trees hardy and bear well. Winter.

McINTOSH RED. An excellent hardy sort from Canada. Winter. Deep red all over and productive. In southern Minnesota this is considered the leading winter variety.

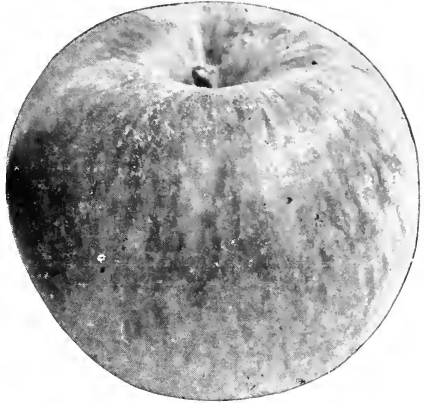
NORTHWEST GREENING. The well known variety, large, yellow. Good for cooking. Winter.

MALINDA. Medium in size, yellow with pink blush. Hardy and productive. Will keep until May.

We can furnish Grimes Golden, Jonathan, Winesap, Gano, etc., but do not plant them here. It is a waste of time.

CRABS

WHITNEY. A large sweet crab. Well known. Fall.



Haralson Apple

BRAND NEW VARIETIES

These new varieties have been tested several years and are now put on the market. They are all considered an improvement on the older varieties and will in time be heavily planted. Get started with a few of each. Prices big, heavily rooted, 5 to 7 ft. trees, each \$1.25; 5 for \$5.00.

HARALSON. A product of the Minnesota Fruit Breeding farm and claimed by them to be the coming winter apple for the north. Hardy and productive. Much like the Wealthy but keeps all winter. We have a very limited stock.

COURTLAND. This apple originated at the New York experiment station. It is of the McIntosh type and considered an improvement on the McIntosh. Hardy and productive and keeps all winter. Quality very fine. Takes on a good red color. This should be one of our leading winter apples.

ERICKSON. One of the most popular of the new varieties. Very large, red, of about the same season as the Duchess. Originated in central Minnesota. Early bearer and very hardy.

DOLGO CRAB. A wonderful new crab from the South Dakota station. Bright red all over and red flesh, good size and quality. Cooks with red sauce.

Hardy Plums

AS LARGE AS HEN'S EGGS

During the last few years there has been wonderful development in new varieties of Plums. To Professor Hansen, of Brookings, South Dakota, and the State Fruit Breeding Farm at Excelsior, Minnesota, are due the credit for these new fruits which are as hardy as native plums and equal in size and quality of California plums. These new varieties are so much better than any of the old ones that we have cut the old ones all out. They begin to bear in one to three years, and are heavy bearers. If you want plenty of **BIG RED PLUMS** equal to the California fruits, buy liberally of the **Waneta**, **Tonca**, **Monitor** and **Underwood**. Plant 16 ft. apart each way and cultivate thoroughly.

Prices for heavy bushy trees, 5 to 7 ft., each \$1.00; 6 for \$5.00.

WANETA. A large, bright red plum, the size of an ordinary hen's egg, hardy and of finest quality. Heavy bearer. Usually begins bearing the second year. One of Prof. Hansen's.

UNDERWOOD. A very fine hardy early plum from the Minnesota Fruit Breeding farm. Nearly as large as the **Waneta** and of equally good quality. It ripens in early August, a couple of weeks ahead of the **Waneta**.

TONCA. A very hardy free bearing plum of good quality and large size from the Minnesota Fruit Breeding farm.

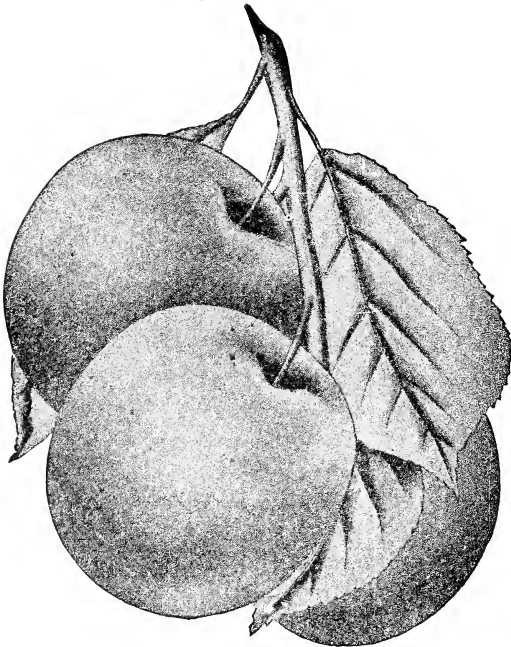
MONITOR. A heavy bearing plum of very large size from the Minnesota Fruit Breeding farm. Excellent quality and later than **Underwood**.

GOLDENROD. This is a large yellow plum of excellent quality and bears young. A product of the Minnesota State Breeding Farm. The best yellow plum on the market.

HANSKA. A cross between a plum and apricot. Dark red.

SAPA. A cross between a plum and a Sand Cherry. The **Sapa** is black and the flesh is deep red. One of Prof. Hansen's.

OPATA. Looks like **Sapa**, but the flesh is yellow. Same quality as **Sapa**. One of Prof. Hansen's.



The Waneta Plum

Hardy Cherries

ZUMBRA CHERRY. This Hybrid from the Minnesota State Fruit Breeding Farm is a cross of the Sweet Cherry, the Sand Cherry and the Pin Cherry. The quality is good. Season, last of August. Very productive. Fruit black with greenish flesh. Bears second year. The best cherry for Northern Iowa. Prices, large size trees, \$1.25; 6 for \$7.00.

NICOLET CHERRY. A red cherry Hybrid put out by the Minnesota Fruit Breeding farm. In size and appearance like the Early Richmond. Large trees, each \$1.25; 6 for \$7.00.

COMPASS CHERRY. A Hybrid plum and Sand Cherry. Perfectly hardy and a heavy bearer. Dark red. Price each \$1.00; 6 for \$5.00.

Pears For Northern Iowa

Everybody should plant a few of our Hardy Pears. These hardy new varieties have nearly all been developed in the last 10 or 12 years. While our own trees are too young to bear, careful investigation has shown that all of these varieties are doing well and bearing well in northern Iowa and southern Minnesota, some of them quite close to Graettinger.

We fully recommend them as being perfectly hardy and just as safe and practical to plant here as the ordinary apples. They are all of good quality and good size. With these varieties there is no reason why we can not grow all our own Pears and some for market. You can not go wrong on these Hardy Pears. Everybody likes pears and by planting these Hardy varieties it is just as easy to grow your own pears as it is apples.

BEIRSCHMITT PEAR. Originated on the John Beierschmitt farm near Fairbank, in northeastern Iowa, about twenty years ago. The Horticulturist department at Ames claims this is one of the most promising pears on the market for northern Iowa. Fruit very large and equal to Bartlett in quality. Bears young. As hardy as a Wealthy apple. A wonderfully vigorous spreading tree with thick leathery leaves. This tree will no doubt in a few years be as universally planted as the Wealthy apple. Plant a few this year. 5 to 7 ft. trees, \$3.00; 4 for \$10.00; 4 to 6 ft. trees, \$2.25; 4 for \$7.50.

LINCOLN PEAR. Originated in Illinois over 80 years ago where the original tree is still bearing. This pear is equal to the Bartlett in quality and size. We believe the Lincoln is as hardy as a Wealthy apple and will bear just as much fruit. Ripens in September. Prices 5 to 7 ft. trees, each \$2.25; 3 for \$6.00.

PATTEN PEAR. Originated at Charles City, Iowa, by the late Charles Patten, the noted horticulturist, about 40 years ago. The Iowa experiment station at Ames pronounced this the best of Mr. Patten's productions. The tree is perfectly hardy and productive and the fruit good size and excellent quality. The original tree now over 40 years old is still standing at Charles City and is owned by the State of Iowa, is healthy and bearing regularly. Season fall. Prices, 5 to 7 ft. each, \$2.25; 3 for \$6.00.

(One of each variety, large trees, the four for \$8.00)

A HARDY PEACH

MARQUETTE PEACH. A variety from northern Michigan. Claimed to be very hardy. Grafted on plum roots which should increase the hardi-



The Beierschmitt Pear

MENDEL PEAR. The original tree of the Mendel Pear is still standing at New Ulm, Minnesota, and bearing good crops of pears every year, as it has been doing for several years. Fruit is good size and the tree is perfectly hardy and free from blight. It should be in every orchard. Prices, 1 to 5 ft. trees, each \$1.50; 3 for \$4.00.

ness. We recommend this only for trial. It seems to have considerable promise. Plant in sheltered location. Large trees, 75c each.

Hardy Grapes

Our hardy grapes are as easily grown as apples or any other fruits. They are heavy annual bearers and here at the Nursery produce heavily on ordinary soil with no care at all. But of course with cultivation and pruning will do much better. They do well on almost any soil. Prune in fall or winter or before new growth starts. Plant 6 to 7 feet apart. The Beta and Alpha are perfectly hardy without winter covering. The others should be pruned and covered in the fall.

ALPHA. Considered one of the best of the Hardy Grapes. Good quality. Bears immense crops and of good flavor when fully ripe. Two year plants. Each 40c; per 12 \$3.60; per 50, \$12.50.

BETA. Very similar to the Alpha and an equally heavy bearer. Last fall we found some Beta vines growing in sod that were completely black with fruit. Both varieties ripen about a month ahead of Concord. Both are black when ripe. Price of Beta, two year plants, each 30c; per 12, \$2.50; per 50, \$10.00.

HUNGARIAN. A medium size black grape similar to Beta. Very hardy and productive. Each, 30c; per 12, \$2.50; per 50, \$10.00.

CONCORD. Black. An old variety. Hardest and most popular of all the old varieties. Bears abundantly and fruit is fine if allowed to get fully ripe on the vine. Price, large 2 and 3 year plants, per 12, \$1.75; per 100, \$12.00.

WORDEN and MOORE'S EARLY. Both reliable old varieties of black grapes. Hardy and productive. Price each, 20c; per 12, \$2.00.

DELAWARE. Best red grape. This is a rather small grape but very sweet and juicy. Fine for table use. Two year plants, each 20c; per 12, \$2.

NIAGARA. White. The hardest and best of the white grapes. Sweet and fine flavored. Good size and bears well. Two year plants, each 20c; per 12, \$2.00.

Currants

The varieties here listed we have found to be the best for this locality. Plant 3 to 4 feet apart. Cultivate or mulch heavily. Sprinkle the plants with powdered Hellebore to kill worms.

PERFECTION. Much the largest of all currants. Hardy and productive and of good quality. A good currant for home or market. Prices, each 2 year plants, 30c; per 12, \$3.00.

WILDER. Not as large as Perfection but one of the very best. Hardy, vigorous and productive. Comes into bearing early. Extra large plants. Each 20c; per dozen, \$2.00.

WHITE GRAPE CURRANT. Similar to Wilder except in color. Same price.

Gooseberries

CARRIE. We have found the Carrie so much superior to the rest that we do not grow any others. Bears heavily the second year. Free of thorns which makes it easy to pick the fruit. Hardy, vigorous and a great producer of fine fruit. Each, extra large plants, 25c; per dozen, \$2.50.

Asparagus

WASHINGTON. One of the new varieties largely grown by market gardeners. Large plants, per 25, 75c; per 100, \$2.50.

Rhubarb

LINNAEUS. Early, grows very tall and tender. A favorite variety. Dozen, \$1.25; 25 for \$2.00.

Strawberries

Each one of these varieties will bear alone. Plant in good rich soil 15 to 18 inches apart and rows 3 feet apart. Press the ground firmly around the roots and give them some water. Cultivate thoroughly.

THE WONDERFUL MASTODON EVERBEARER

This is universally recognized as the best everbearing strawberry grown and is a big improvement over the Progressive on account of productiveness, size and quality. If given good care the Mastodon will bear a heavy crop the first year and also the second year. We have a nice lot of No. 1 plants and can recommend this variety as a good thing to plant. Prices, 25 for \$1.00; 50 for \$1.75; 100 for \$3.00; 300 or more at \$2.75 per hundred. Postpaid.

MINNEHAHA. June bearing. Later than Dunlap. A product of the Minnesota Breeding Farm. This is being largely planted by the market gardeners around Minneapolis and considered by many as superior to the Dunlap. The plants are much larger than Dunlap. Fruit large and showy. Everybody should try a few of this wonderful new berry. It will

no doubt replace the Dunlap in numerous localities. Per 25, 75c; 50 for \$1.25; 100 for \$2.00. Postpaid.

PROGRESSIVE Everbearing. Until lately this has been considered the best everbearing strawberry to plant. Has heavy foliage so the plants do not need covering in winter. Plants well rooted and thrifty and bear heavy crops. Plants planted this spring, if given rich soil and good cultivation, will bear a heavy crop next fall and again all next year. Strawberries do well on any land that will grow corn and every family should have a good sized bed.

Prices of Progressives, 100, \$1.50; 200, \$2.75; 500, \$6.25. Postpaid

SENATOR DUNLAP. The old reliable and until lately considered the very best of the June bearing strawberries. Fruit large and good quality. Has been heavily planted all over the United States. Per 100, \$1.00; per 500, \$4.00; per 1000, \$7.25. Postpaid.

Red Raspberries

CHIEF Originated by the Minnesota Fruit Breeding Farm, and just being introduced this year. A seedling of the Latham and very much like it but 10 to 12 days earlier. Perfectly hardy and a heavy bearer. This is considered the best early Red Raspberry on the market. Price per dozen \$1.50. . 25 for \$2.75. . Postpaid.

LATHAM. The very best red raspberry of its season. A product of the Minnesota Fruit Breeding Farm. Everywhere recognized as the very best Red Raspberry of its season. Good quality, hardy and productive. In the Lake Minnetonka Fruit region near Minneapolis there are hundreds of acres of Lathams. They are easily

grown and everybody should have a planting of Latham and Chief. Plant in rows 3 or 4 ft. apart and 15 inches in the row and keep them in rows. All No. 1 plants and free from disease Price of Latham 12 for \$1.00; 50 for \$3.00; 100 for \$5.50. . Postpaid.

Black Raspberry

Plant 2 Feet Apart

KANSAS. Hardy and productive. Good size and a good family berry. Dozen 75c; 50 for \$2.00; 100 for \$3.50. Postpaid.

Shade And Ornamental Trees

Plant carefully using same method as in planting Evergreens. Keep the ground thoroughly hoed around them for two years. Some manure worked into the top soil will increase the growth. Trim the tops back severely at planting time. They soon grow out. All these trees have been transplanted one or more times and have plenty of roots. With careful handling they will soon make fine shade trees. Six of any kind for the price of five. We also have other sizes.

CUT LEAF WEEPING BIRCH. Has white bark. The very best of the weeping trees. In great demand everywhere. 6 to 8 ft., \$3.50 each.

CUT LEAF WEEPING MAPLE. A beautiful ornamental type of the Soft Maple, with deeply cut leaves. A rapid grower. 6 to 8 ft. \$2.00 each.

NIOBE WEEPING WILLOW. A very fine weeping tree with yellow bark. Hardy. The best weeping willow. 5 to 6 ft., \$1.00 each.

SOFT MAPLE. A native tree of very rapid growth. Hardy and long lived. 5 to 6 ft., 50c each; 6 to 8 ft., 65c each.

HARD MAPLE OR SUGAR MAPLE. A native tree of slower growth. Hardy and long lived. Leaves turn red in the fall. 5 to 6 ft. \$1.00 each.

NORWAY MAPLE. A species of Hard Maple. Makes a beautiful and long lived tree. Much used for street and park planting. 5 to 6 ft. \$1.25 each; 6 to 8 ft. \$1.50 each; 8 to 10 ft., \$2.00 each.

SCHWEDLERI MAPLE. Leaves opening in the spring a bright fiery red, giving it a wonderful striking appearance. A good grower and hardy. Should be in every yard. Price, 8 to 10 ft., \$3.50.

VARIEGATED LEAF NORWAY MAPLE. Like the Schwedleri maple only the leaves are green and have a heavy margin of yellow. A new variety and very showy. Price, 6 to 8 ft., \$3.50 each; two for \$6.50.

UMBRELLA MAPLE. A variety of the Norway maple that grows with a compact round head on a 5 ft. stem like our umbrella catalpa. Perfectly hardy. Price \$4.00. 2 for \$7.00.

VARIEGATED BOX ELDER. A box elder having leaves with a heavy margin of yellow. Very showy and different. Price 6 to 8 ft., \$1.25.

LINDEN. Perfectly hardy everywhere and vigorous in growth, with large, clean, handsome foliage and fragrant flowers. One of the best trees for shade or ornamental purposes. 5 to 6 ft., \$1.25 each; 6 to 8 ft., \$1.50 each.

WHITE ELM. This is one of the best trees for general planting, being especially adapted for shade trees or for planting along the street or roadway. 6 to 7 ft., each 75c; 7 to 8 ft., each \$1.50; 8 to 10 ft., each \$2.00; 10 to 12 ft., each \$3.00.

ASH. Green or White. One of our most valuable trees for ornamental or timber planting. Resists drouth well. 6 to 8 ft., \$1.00 each.

WHITE BIRCH. Makes a fine shaped tree. Its chalky white bark and beautiful foliage make it a desirable lawn tree. 5 to 6 ft., \$1.00 each; 6 to 7 ft., \$1.25 each; 7 to 8 ft., \$1.50.

BLACK WALNUT. Valuable for nuts and timber. One of the choicest ornamentals. Hardy; does best in rich, rather moist soils, but stands drouth well. 5 to 6 ft., 75c each; 6 to 7 ft., \$1.00 each; 7 to 9 ft., \$1.25.

BUTTERNUT. Native of North-eastern Iowa. Valuable for nuts and also as an ornamental tree. Hardy. 5 to 6 ft., trees, \$1.00 each.

BUCKEYE. Of pyramidal form, with large leaves and showy red and white flowers; one of the earliest trees in the spring. 6 to 7 ft., \$2.00 each; 7 to 9 ft., \$3.00.

MOUNTAIN ASH EUROPEAN. A handsome lawn tree, very attractive when in blossom or when covered with its large clusters of red berries. Special Price 5 to 6 ft., 50c each; 6 to 8 ft., 75c; 8 to 10 ft., \$1.00.

WILD BLACK CHERRY. Hardy, fast growing tree. Ornamental in the spring when covered with bloom. Makes a large tree. 6 to 7 ft., \$1.00 each; 7 to 8 ft., \$1.25 each.

OAK. Pin or Red. A native tree of great beauty. Leaves color to a bright red after frost. Hardy. Price 4 to 5 ft., \$2.50 each; 5 to 6 ft. \$3.00.

RUSSIAN MULBERRY. Often grown for the fruit, which resembles a blackberry. 6 to 8 ft., 75c.

HARDY CATALPA. Quite hardy. Bears an abundance of flowers. 5 to 6 ft., 60c each.

Siberian Elm

Sometimes called Chinese Elm. A native of northern China and Siberia. Very hardy and ornamental and one of the fastest growing shade trees. It outgrows every tree on the place except the Norway Poplar and seems to grow at least twice as fast as the American Elm. The Siberian Elm is hardy all over the United States, even in North Dakota, and is being more largely planted than any other tree. The Siberian Elm was first introduced by the U. S. Department of Agriculture several years ago. It is considered the most valuable tree ever imported by the Agricultural Department, on account of its ability to withstand cold and drought. All our trees, both transplants and seedlings, are well grown and heavily rooted and stocky. Every one should grow.

TRANSPLANTS

2 to 3 feet.....	40c	Each
3 to 4 feet.....	75c	Each
4 to 5 feet.....	\$1.00	Each
5 to 6 feet.....	\$1.50	Each
6 to 8 feet.....	\$2.00	Each

SEEDLINGS

12 to 18 in., per 100.....	\$ 7.00
18 to 24 in., per 100.....	8.50
2 to 3 feet, per 100.....	10.00
3 to 4 feet, per 100.....	13.00
4 to 5 feet, per 100.....	17.50

Windbreaks

NORWAY POPLAR. For a quick cheap windbreak plant the Norway Poplar. They are at home on any soil, are perfectly hardy and will outgrow any tree you can plant. Plant four feet apart in the rows and three or four rows and you will soon have a perfect snowbreak and a good windbreak. They should be planted along with Evergreens and later on the Poplars can be cut. Prices, 4 to 5 ft., \$7.00 per 100; \$60 per 1000.

tall. Does well in all soils. Prices, 4 to 5 ft., \$8.00 per 100.

LAUREL LEAF WILLOW. Leaves shiny on upper side. Very hardy. Does well in all soils. Prices, 4 to 5 foot whips, \$8.00 per 100.

SOFT MAPLE. Very hardy and fast growing. Makes a large, long lived tree. Prices, 2 to 3 ft. seedlings, \$5.00 per 100.

GOLDEN WILLOW. Extremely hardy and ornamental. Makes a thick low hedge or can be allowed to grow

AMERICAN ELM. A fast growing native tree and very hardy. Prices, 2 to 3 ft. seedlings, \$5.00 per 100; 3 to 4 ft., \$7.00 per 100.

By buying at home you save the Agent's commission which is usually 30 to 40 per cent.

BE SURE TO PLANT THE FOLLOWING OUTSTANDING VARIETIES:

- | | | |
|----------------|----------------------------|-------------------|
| Haralson Apple | Waneta Plum | Beierschmitt Pear |
| Patten Pear | Chief and Latham Raspberry | |
| Beta Grape | Hansa Rose | Siberian Elm |

THEY ARE SURE TO PLEASE

Hardy Shrubs

The shrubs listed are all hardy here at Graettinger. Do not plant the half hardy kinds. Plant in good soil and tramp solid. Give thorough cultivation the first year. Some manure worked into the soil will do them lots of good.

We list two sizes. The heavy 3 to 5 year old sizes are the most economical in the long run. Prices, unless otherwise noted, 75c each; 6 for \$4.00; 12 for \$7.50. Smaller sizes, 2 to 3 years, 50c each; 6 for \$2.50; 12 for \$4.50. All postpaid. We also have large clumps in most varieties at \$1.00 each and up.

SPIREA V. H. (Bridal Wreath). White blossoms in June. This is the most largely planted of all the shrubs. Covered with bloom every year. Fine as a single specimen or as a hedge. We have a big stock.

SPIREA ARGUTA. Very similar to Spirea V. H. but a week earlier, and just as showy and free blooming.

SPIREA BILLARDI ROSEA. Pink plume-like flowers. Hardy.

SPIREA BILLARDI ALBA. Similar to above but white.

SPIREA ANTHONY WATERER. Low growing with crimson flowers. Fine for mass planting and hedges.

HYDRANGEA PANICULATA GRANDIFLORA. The well known Hydrangea. Flowers are borne in large globe shaped panicles larger than a gallon pail. Extremely hardy and never fails to bloom in September.

HYDRANGEA ARBORESCENS (Hills of Snow). This plant blooms heavy during July and August. Blossoms white and look like large snowballs.

SYRINGA (Mock Orange.) Tall growing hardy bush covered in early summer with an abundance of white fragrant flowers resembling orange blossoms.

SYRINGA VIRGINAL. A new shrub with very large and double white scented flowers. The best of the Syringas.

LILAC, Purple or White. Both well known.

LILAC, THE GRAFTED FRENCH varieties in Blue, Red and White. Bloom young and freely. Strong two year old plants, each \$1.00.

SNOWBALL. An old and popular plant.

HIGH BUSH CRANBERRY. Looks like a snowball but flowers are different shape, and followed by red berries.

DOGWOOD, Red Bark. Very ornamental in winter when the bark is bright red.

DOGWOOD, Yellow Bark. Same as above only bark is bright yellow.

FERN TREE. A large bush of the Sumac family with deeply cut leaves.

FLOWERING ALMOND. A well known shrub covered in spring with double pink roses. Prices, each large plants \$1.00.

PURPLE LEAF PLUM NEW-PORT. A large bush of small tree with purple foliage holding its color all summer. Very fine and hardy. Price, 4 to 5 ft. \$1.50.

DOUBLE FLOWERING PLUM. Very ornamental and covered every spring with an abundance of pink roses. Much like the Flowering Almond but is hardy and makes a small tree. Price, each 5 ft. \$1.50.

DOUBLE FLOWERING CRAB. Bechtel's. An extremely ornamental little tree bearing an abundance of double pink blossoms, highly scented. Price, 3 to 4 ft. size, each \$1.75.

HONEYSUCKLE, White, Pink or Red. A large growing shrub, blooms freely in the spring.

SNOWBERRY, WHITE OR RED. An ornamental shrub, much used in landscape work. Produces an abundance of red or white berries.

JAPANESE BARBERRY. Makes a fine specimen and also one of the best for hedges. Covered all winter with red berries. Large plants for lawns. (See HEDGES)

RED LEAF BARBERRY. Leaves bright red all summer. Very showy and ornamental. The best hardy foliage plant. Red berries in winter. 2 ft. bushy plants, \$1.00 each; 15-18 in., 75c each.

CARAGANA SIBERIAN PEA TREE. Very hardy and ornamental, yellow flowers.

Perfectly Hardy Roses

The roses we list under this head are perfectly hardy and will stand the winters without any covering. They are perfectly reliable and bloom freely and unless you are an expert rose grower you should plant them in place of the half hardy kinds. Our plants are heavy 2 and 3 year old plants and most of them will bloom the first year. Plant in rich soil. **6 plants for the price of 5.** All postpaid. In some varieties we have large bushes at \$1 up.

GROOTENDORST. A dwarf Rugosa Hybrid that blooms freely in clusters all summer until frost. Protect with a burlap on frosty nights and you can have perfect bloom until November. The only really hardy dwarf rose. Grows 3 to 4 ft. tall. Color, deep crimson. **Price, 75c each.**

HUGONIS. A new hardy rose from northern China. Covered in early spring with a dense mass of small yellow flowers making a striking appearance. The plant is very ornamental. **Price, 75c each.**

HANSA. One of the finest of the Rugosa Hybrids. A cross between the wild Rugosa rose of Japan and the American Beauty. Flowers over three inches in diameter, deep red and very double and blooms all summer. Stands our climate perfectly. Bushes attain a height of 7 to 8 feet. The very best large hardy bush rose. **Price, 75c each.**

SIR THOMAS LIPTON. Same breeding as Hansa but pure white. Very double. Perfectly hardy without covering. **Price, 75c each.**

NEW CENTURY. Same breeding as above but bright pink. These three roses are perfectly hardy anywhere without covering. **Price, 75c each.**

PERSIAN YELLOW. Seldom injured if not covered. Flowers double, and a free bloomer. Finest hardy yellow rose. **Price, 75c each.**

PRINCESS ADELAIDE, Moss Rose. Bright rosy pink. Large, double and fragrant. Buds beautifully mossed. **Price, 75c each.**

GRUSS AN TEPLITZ, Bengal Rose. Grows to a height of 4 to 5 feet. Vivid, dazzling, fiery crimson. Very fragrant. Produces a mass of gorgeous bloom on long stems. **Price, 75c each.**

SPECIAL: One of each of the above; making fine permanent rose garden, 8 large plants for \$5.00. Postpaid.

HALF HARDY BUSH ROSES

Protect in winter by mounding 10 or 12 inches high with earth. Prune back well at planting time. **Price, 75c each for large plants. Postpaid.**

PAUL NEYRON. Deep rose pink. The largest cultivated rose.

GENERAL JACQUEMINOT. Dark crimson, double fragrant.

MAGNA CHARTA. Extra large full flowers, rosy pink in color.

FRAU KARL DRUSCHKI OR SNOW QUEEN. Finest white roses.

RAMBLERS

All free bloomers. Should have winter protection. Plant in rich soil. **Price, 75c each for large 2 and 3 year old plants. Postpaid.**

CRIMSON RAMBLER. Flowers in pyramidal clusters of large numbers.

DOROTHY PERKINS. A shell-pink variety similar to Crimson Rambler.

SEVEN SISTERS. Light rose color, double; a well known variety.

PAUL'S SCARLET. Bright red flowers in clusters, yellow stamens.

SPECIAL: One of each of above large plants, 4 for \$2.00. Postpaid.

HARDY CLIMBING VINES

AMERICAN IVY. Virginia Creeper, 50c each; 3 for \$1.00.

ENGLEMAN IVY. (Clings to a wall.) Large plants, 60c each; 2 for \$1.

HONEYSUCKLE SCARLET TRUMPET, 40c each; 3 for \$1.00.

BITTER SWEET. Large plants, 50c each; 3 for \$1.00.

PAEONIES

We have about twenty of the standard commercial varieties ranging in color from pure white to deepest red. Most of them have been grown one year in the Nursery and are much better than divisions. **Price, 75c each or 3 for \$2.00.** We have one outstanding variety, very deep red, large flowered, free blooming on long stems, one of the finest Paeonies we have ever seen at \$1.25 each.

Hedging

- SPIREA V. H. Two-year plants, light. Per 50, \$13.00; per 100, \$25.00.
 ALPINE CURRENT. 18 to 24 inches. Per 50, \$18.00; per 100, \$35.00.
 RED LEAF JAPANESE BARBERRY. Very showy. Bright red all summer. 15 to 18 in. transplanted. Per 50, \$33.00; per 100, \$65.00.
 BARBERRY JAPANESE. 18 to 24 in., heavy. Per 50, \$13.00; per 100, \$25.00. 2 to 3 feet, heavy, per 50, \$18.00; per 100, \$35.00.
 DOGWOOD RED OR YELLOW BRANCHED. 2-year plants, per 50, \$20.00; per 100, \$40.00.

Gladiolus

About 10 varieties, all good colors mixed. Blooming size. Price, per dozen, 50c; per 50, \$2.00, postpaid.

The Wonderful New Large Flowered Dahlias

The most striking flower now grown. Plants grow from five to eight feet in height and the blooms from 5 to 11 inches in diameter. As large as an ordinary plate. Blooms from middle of July to frost. Plant 6 inches deep in good garden soil and cultivate thoroughly. As easy to grow as potatoes. They should be tied to a stout stake so the wind will not break them. You can not realize the beauty of these unless you have seen them. We list only a few of the finest varieties. These are all free bloomers and very large flowered. We have others at much lower prices. Be sure to plant some of these large flowered ones.

- ELINOR VANDEVEER. (Decorative.) Light Pink, fine, 75c each.
 WILLIAM G. (Decorative.) Scarlet red, extra fine, \$1.25 each.
 AVALON. (Decorative.) Extra large, rich yellow, 75c each.
 ROSE FALLON. (Decorative.) Brownish old gold, a prince of flowers, \$1.50 each.
 JERSEY BEACON. (Decorative.) Chinese scarlet, extra fine, 75c each.
 JUDGE MAREAN. (Show.) Combination of salmon-red orange. Fine, 75c each.
 MRS. C. D. ANDERSON. (Show.) Rich, clear purple, 75c each.
 ETHEL T. SMITH. (Cactus.) White, extra large, 75c each.
 LeGRAND MANTOU. (Decorative.) Purple, mottled with crimson. Very large, 50c each.
 CHARLES CLAYTON. (Cactus.) Flowers large and dazzling red, 50c each.
 DELICE. (Decorative.) Soft rose pink. Very fine, 50c each.
 A LOT OF OTHER VARIETIES
 Our selection of six fine, large named varieties all different colors for \$3.
 DAHLIAS ALL POSTPAID.

REGAL LILY

This wonderful plant was discovered in the Himalaya mountains in northern Asia. One of the finest lilies grown and perfectly hardy. The bulbs should be left in the ground all winter. Flowers are large and bell shaped and pure white, with yellow throat, and highly scented. Prices,

large bulbs, 1½ to 2 inches, each 40c; 3 for \$1.00.

TIGER LILY, Single. The old fashioned Tiger Lily. Prices, large bulbs, each 25c; 6 for \$1.25, postpaid.

TIGER LILY, Double. Prices for large bulbs, each 30c; 6 for \$1.50, postpaid.

We have a lot of other trees, shrubs and perennials of various kinds that are not listed here. We no doubt have what you want. Ask for them.